



INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 249.0007 0101	Serial No.: 10/698,121
	Applicant(s): Dominic COSGROVE	Confirmation No.: 8958
	Application Filing Date: 31 October 2003	Group: 1614
	Information Disclosure Statement mailed: <u>9</u> August 2004	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	none					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	none						

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Number	Document Description
mt	1	Adams et al., "Initial assessment of human gene diversity and expression patters based upon 83 million nucleotides of cDNA sequence", <i>Nature</i> , 377(6547 Suppl.):3-174 (28 September 1995).
mt	2	Andreasen et al., "Expression and Functional Importance of Collagen-Binding Integrins, $\alpha_1\beta_1$ and $\alpha_2\beta_1$, on Virus-Activated T Cells", <i>The Journal of Immunology</i> , 2003, pgs. 2804-2811.
mt	3	Bank et al., "Lymphocytes Expressing $\alpha_1\beta_1$ Integrin (Very Late Antigen-1) in Peripheral Blood of Patients with Arthritis Are a Subset of CD45RO ⁺ T-Cells Primed for Rapid Adhesion to Collagen IV", <i>Clinical Immunology</i> , 105(3):247-258 (December 2002).
mt	4	Border et al., "Suppression of experimental glomerulonephritis by antiserum against transforming growth factor β_1 ", <i>Nature</i> , 346:371-374 (26 July 1990).
mt	5	Conti et al., "MCP-1 and RANTES Are Mediators of Acute and Chronic Inflammation", <i>Allergy and Asthma Proc.</i> , 22:133-137 (May-June 2001).
mt	6	Cook et al., "Treatment with an Antibody to VLA-1 Integrin Reduces Glomerular and Tubulointerstitial Scarring in a Rat Model of Crescentic Glomerulonephritis", <i>American Journal of Pathology</i> , 161(4):1265-2172 (04 October 2002).

EXAMINER Maha Haddad	Date Considered 3/10/06
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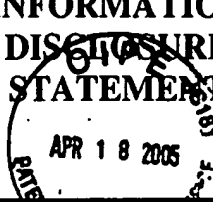
Examiner Initial	Document Description
MH	7 Cosgrove et al., "Integrin $\alpha 1\beta 1$ and Transforming Growth Factor- $\beta 1$ Play Distinct Roles in Alport Glomerular Pathogenesis and Serve as Dual Targets for Metabolic Therapy", <i>American Journal of Pathology</i> , 157(5):1649-1659 (November 2000).
MH	8 De Fougerolles et al., "Regulation of inflammation by collagen-binding integrins $\alpha 1\beta 1$ and $\alpha 2\beta 1$ in models of hypersensitivity and arthritis", <i>The Journal of Clinical Investigation</i> , 105(6):721-729 (March 2000).
MH	9 Gardner et al., "Deletion of Integrin $\alpha 1$ by Homologous Recombination Permits Normal Murine Development but Gives Rise to a Specific Deficit in Cell Adhesion", <i>Developmental Biology</i> , 175:301-312 (1996).
MH	10 Gowen et al., "The collagenous domain of class A scavenger receptors is involved in macrophage adhesion to collagens", <i>Journal of Leukocyte Biology</i> , 69:575-582 (April 2001).
MH	11 Hägg et al., "Type XIII Collagen: a novel cell adhesion component present in a range of cell-matrix adhesions and in the intercalated discs between cardiac muscle cells", <i>Matrix Biology</i> , 19:727-742 (2001).
MH	12 Hägg et al., "Type XIII Collagen is Identified as a Plasma Membrane Protein", <i>The Journal of Biological Chemistry</i> , 273(25):15590-15597 (19 June 1998).
MH	13 Harlan et al., "Leukocyte-endothelial interactions: Clinical trials of anti-adhesion therapy", <i>Crit Care Med</i> , 30(5(Suppl.)):S214-S219 (2002).
MH	14 Heeringa et al, "Renal expression of endothelial and inducible nitric oxide synthase, and formation of peroxynitrite-modified proteins and reactive oxygen species in Wegener's granulomatosis", <i>Journal of Pathology</i> , 193:224-232 (2001).
MH	15 Kim et al., "Cytokines and adhesion molecules in stroke and related diseases", <i>Journal of the Neurological Sciences</i> , 137:69-78 (1996).
MH	16 Kosswig et al., "Class A Scavenger Receptor-mediated Adhesion and Internalization Require Distinct Cytoplasmic Domains", <i>The Journal of Biological Chemistry</i> , 278(36):34219-34225 (05 September 2003).
MH	17 Kriegelstein et al., "Collagen-binding integrin $\alpha 1\beta$, regulates intestinal inflammation in experimental colitis", <i>The Journal of Clinical Investigation</i> , 110(12):1773-1782 (December 2002).

EXAMINER	Date Considered
Maher Haddad	3/10/06
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mH	18	Kvist et al., "Animal Model. Lack of Cytosolic and Transmembrane Domains of Type XIII Collagen Results in Progressive Myopathy", <i>American Journal of Pathology</i> , 159(4):1581-1593 (04 October 2001).
mH	19	Lalor et al., "Vascular Adhesion Protein-1 Mediates Adhesion and Transmigration of Lymphocytes on Human Hepatic Endothelial Cells", <i>The Journal of Immunology</i> , 169:983-992 (2002).
mH	20	Luby-Phelps, "Preparation of Fluorescently Labeled Dextrans and Ficolls", <i>Methods in Cell Biology</i> , 29:Chapter 4, pgs. 59-73 (1989).
mH	21	Nykvist et al., "Distinct Recognition of Collagen Subtypes by $\alpha_1\beta_1$ and $\alpha_2\beta_1$ Integrins", <i>The Journal of Biological Chemistry</i> , 275(11):8255-8261 (17 March 2000).
mH	22	Rodgers et al., "Monocytes may promote myofibroblast accumulation and apoptosis in Alport renal fibrosis", <i>Kidney International</i> , 63:1338-1355 (2003).
mH	23	Roebuck, "Oxidant stress regulation of IL-8 and ICAM-1 gene expression: Differential activation and binding of the transcription factors AP-1 and NF- κ B (Review)", <i>International Journal of Molecular Medicine</i> , 4:223-230 (1999).
mH	24	Ruoslahti, "Targeting tumor vasculature with homing peptides from phage display", <i>seminars in CANCER BIOLOGY</i> , 10:435-442 (2000).
mH	25	Sampson et al., "Global Gene Expression Analysis Reveals a Role for the α_1 Integrin in Renal Pathogenesis", <i>The Journal of Biological Chemistry</i> , 276(36):34182-34188 (07 September 2001).
mH	26	Yoon et al., "Sustained Production of H ₂ O ₂ Activates Pro-matrix Metalloproteinase-2 through Receptor Tyrosine Kinases/Phosphatidylinositol 3-Kinase/NF- κ B Pathway", <i>The Journal of Biological Chemistry</i> , 277(33):30271-30282 (16 August 2002).
mH	27	Yusuf-Makagiansar et al., "Inhibition of LFA-1/ICAM-1 and VLA-4/VCAM-1 as a Therapeutic Approach to Inflammation and Autoimmune Diseases", <i>Medicinal Research Reviews</i> , 22(2):146-167 (2002).

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
mtt	28	5,788,966	08/04/1998	Chess et al.		

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						Yes	No
	none						

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Examiner Initial	Document Number	Document Description
mtt	29	Abraham et al., "A monoclonal antibody to alpha beta1 blocks antigen-induced airway responses n sheep, <i>Am J. Respir Crit Care Med</i> , 01 January 2004; 169(1):97-104.
mtt	30	Ianaro et al., "Glomerular epithelial and mesangial cells differentially modulate the binding specifications of VLA-1 and VLA-2", <i>Lab Invest.</i> , 1995; 72(3):367-375.
mtt	31	Kagami et al., "Effects of anti-alpha1 integrin subunit antibody on antiOThy-1 glomerulonephritis", <i>Lab Invest.</i> , 2002; 82(9):1219-1224.
mtt	32	Mendrick et al., "Glomerular epithelial and mesangial cells differentially modulate the binding specificities of VLA-1 and VLA-2", <i>Lab Invest.</i> , 1995; 72(3):367-375.
mtt	33	Snellman et al., "Type XIII collagen forms homotrimers with three triple helical collagenous domains and its association into disulfide-bonded trimers is enhanced by prolyl 4-hydroxylase", <i>J. Biol Chem.</i> , 24 March 2000; 275(12):8936-8944.

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